



OIPE

RAW SEQUENCE LISTING DATE:
PATENT APPLICATION: US/09/927,811C TIME

DATE: 05/05/2003 TIME: 14:22:47

Input Set : A:\029474-5006.txt

Output Set: N:\CRF4\05052003\1927811C.raw

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3 <110> APPLICANT: RheinBiotech Limited Liability Company for New
         Biotechnological Processes and Products
 5
         Romano, Ivano
         Gellissen, Gerd
 6
         DeVergilio, Claudio
 9 <120> TITLE OF INVENTION: HEAT-INDUCIBLE PROMOTER
11 <130> FILE REFERENCE: PCT1106-01966
                                                              ENTERED
13 <140> CURRENT APPLICATION NUMBER: US 09/927,811C
14 <141> CURRENT FILING DATE: 2001-08-09
16 <150> PRIOR APPLICATION NUMBER: PCT/EP00/01144
17 <151> PRIOR FILING DATE: 2000-02-11
19 <160> NUMBER OF SEQ ID NOS: 28.
21 <170> SOFTWARE: PatentIn version 3.2
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24 <211> LENGTH: 792
25 <212> TYPE: DNA
26 <213> ORGANISM: Hansenula polymorpha
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33 tetatgtgag geagteaega tagaatteea tegaaetegt eagegeeaaa tgtgaatgeg
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35 gctttcaaaa gctttgtcga atttgggatg ggaatccatg aatcgaagat gtcaaaatgg
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37 gggatcacaa aagtacactc acgaggaaaa tcaaaacctt ctcgtacctt taacacatac
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39 ggaaatgatc gatcgatttg agaagattcc tcaatgattt tcgtcatata taggtatctg
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41 aggtatttat ggaccgattc gtaataacat catatacatc gcgctttgtc cctgtcccag
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43 agatttcgat gaaaaaagcg aattttattc taatatttga agcatgccaa acatggggca
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45 gttgatttgt gtgagggtaa aatatcatga attgcaccca tcaaatgcag caagatattg
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47 accaatccta taatagaaaa cagacttacc acaaatagat tgtgatgacg atattatgaa
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49 tetecagatg aaaggetega aagetatgaa geetettgaa aetttteatg gtgagataat
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51 attttcgaaa tttccacgaa cttctaaaac gcaattattg aatataaagg aaaaataata
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61 <213> ORGANISM: Artificial Sequence
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64 <223> OTHER INFORMATION: Consensus sequence for a heat shock element
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68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (1)..(15)
70 <223> OTHER INFORMATION: n may be a,c,t, or g
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72 <400> SEQUENCE: 2

Input Set : A:\029474-5006.txt

Output Set: N:\CRF4\05052003\1927811C.raw

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     86 <221> NAME/KEY: misc_feature
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     88 <223> OTHER INFORMATION: n is a, c, t, or g; b is g, c, or t; w is a or t; and m is c
or a
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     126 gaagatgatg aaaatggaaa atcaagatac gactatacaa tgtcatcagg cggattagtg
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     128 acggcattac aagggctcaa aaatccattt cgatggtttg gatggcctgg gatgtctgtt
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     132 ccgatatggt taagtgacga aattgcagac ttacattata acggctttag caattctata
     134 ctttggccat tgttccacta tcacccaggg gagatgaatt ttgatgaaat tgcttgggcc
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     138 gacgttatct gggtacatga ttatcatctc atgttgttgc cttcactgct aagagaccaa
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     140 cttaatagta aggggctacc gaatgtcaaa attggctttt teetteatac teetttteet
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Input Set : A:\029474-5006.txt

Output Set: N:\CRF4\05052003\I927811C.raw

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158 qqaaqaatca atggtagatt tggtaccgtc gaatttgttc ctatccattt ccttcataaa
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160 agcgtgaact tccaagagct gatatctgtc tacgctgcta gtgatgtttg tgtagtgtca
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162 tcgacacggg acggaatgaa tttggtcagt tatgaataca ttgcttgtca acaagatcga
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170 qcaaqttatt qqqqaqaqaa ctttgtgaaa gaattgacga gagtgtgatt actgtggttt
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174 catcaatagg ataaaaatta agtagacaaa gttatcattt tgttgggctg taaaaattga
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176 acgataacaa tatatttgac aaaattaatt tgatctaatt gagctggagg gcgtaatata
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178 tttggtttcc tgaatcatct tgtagatcac aatatggggc agcttctttc gcagccgatc
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184 acggaagagg gacttgacat cagaaaacaa gacgagaata cagagggtga tctggagtct
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204 Thr Met Ser Ser Gly Gly Leu Val Thr Ala Leu Gln Gly Leu Lys Asn
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208 Pro Phe Arg Trp Phe Gly Trp Pro Gly Met Ser Val Asp Ser Glu Gln
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212 Gly Arg Gln Thr Val Glu Arg Asp Leu Lys Glu Lys Phe Asn Cys Tyr
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216 Pro Ile Trp Leu Ser Asp Glu Ile Ala Asp Leu His Tyr Asn Gly Phe
217
220 Ser Asn Ser Ile Leu Trp Pro Leu Phe His Tyr His Pro Gly Glu Met
221
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224 Asn Phe Asp Glu Ile Ala Trp Ala Ala Tyr Leu Glu Ala Asn Lys Leu
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228 Phe Cys Gln Thr Ile Leu Lys Glu Ile Lys Asp Gly Asp Val Ile Trp
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232 Val His Asp Tyr His Leu Met Leu Leu Pro Ser Leu Leu Arg Asp Gln
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                                           155
236 Leu Asn Ser Lys Gly Leu Pro Asn Val Lys Ile Gly Phe Phe Leu His
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240 Thr Pro Phe Pro Ser Ser Glu Ile Tyr Arg Ile Leu Pro Val Arg Lys
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244 Glu Ile Leu Glu Gly Val Leu Ser Cys Asp Leu Ile Gly Phe His Thr
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248 Tyr Asp Tyr Val Arg His Phe Leu Ser Ser Val Glu Arg Ile Leu Lys
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Input Set : A:\029474-5006.txt

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	253	225					230				•	235		,			240 .	
	256	Val	Ser	Ala	Tyr	Pro	Ile	Gly	Ile	Asp	Val	Asp	Lvs	Phe	Leu	Asn		
	257				-	245		-	_		250		-10			255	_	
	260	Leu	Lvs	Thr	Asp		Val	Lvs	Ser	Ara			Gln	T.au	Glu			
	261		-1-		260			275	001	265		цyз	GIII	ьец	270		AIG	
			Glv	Lve			Lys	Τ.Δ11	Tla			Wa 1	λαη	λ w.σ			П	
	265		017	275		Cys	פעם	пси	280		СТА	Val	ASP		Leu	ASP	Tyr	
			Lvc			Dro	Cln	T			31-	nh-	01	285	51	_	~ 3	
	269	116	290	GIY	vaı	PIO	Gln		reu	HIS	Ald	Pne		тте	Pne	Leu	Glu	
					01		T 1 -	295	_	1		_	300		_	_		
	2/2	Arg	HIS	Pro	GIU	Trp	Ile	GŢŢ	Lys	Val	Val			Gln	Val	Ala	Val	
		305		_		_	310	_				315					320	
	2/6	Pro	Ser	Arg	GLy		Val	Glu	Glu	Tyr	Gln	Ser	Leu	Arg	Ala	Ala	Val	
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	292	Gly	Met	Asn	Leu	Val	Ser	Tyr	Glu	Tyr	Ile	Ala	Cvs	Gln	Gln	Asp	Ara	
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	296	Lys	Gly	Ser	Leu	Val	Leu	Ser	Glu	Phe	Ala		Ala	Ala	Gln	Ser	Leu	
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	300	Asn	Gly	Ala	Leu	Val	Val	Asn	Pro	Tro		Thr	Glu	Glu	T.011		Glu	
	301		-		420					425			OLU	Olu	430	Der	GIU	
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	305			435		011			440	DCI	Olu	OLU	цуз	445	лгу	СТА	ASII	
	308	Phe	Gln		Met	Phe	Lys	Tur		Glu	Luc	Фътъ	Пhr		C02	Птт.	m mm	
	309		450	_10			273	455	110	GIU	цуз	1 7 T	460	AIG	261	тут	Пр	
		Glv		Δcn	Dhe	Va 1	Lys	-	Lou	Thr	7 20	17-1	400					
		465	014		1 110	V U I	470	Olu	пец	1111	ALY	475						
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     414 <211> LENGTH: 26
     415 <212> TYPE: DNA
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     422 <220> FEATURE:
     423 <221> NAME/KEY: misc_feature
     424 <222> LOCATION: (1)..(26)
     425 <223> OTHER INFORMATION: n is a, c, t, or g; v is a, c, or g; y is c or t;
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W--> 428 tggccvytnt tccaytacca tccygg
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     433 <212> TYPE: DNA
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/927,811C

DATE: 05/05/2003 TIME: 14:22:48

Input Set : A:\029474-5006.txt

Output Set: N:\CRF4\05052003\I927811C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the $\langle 220 \rangle$ to $\langle 223 \rangle$ fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,5,6,7,8,9,10,11,15

Seq#:3; N Pos. 1,5,6,10,11,15

Seq#:9; N Pos. 9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/927,811C

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L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0 L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0 L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0